

FIG. 1A

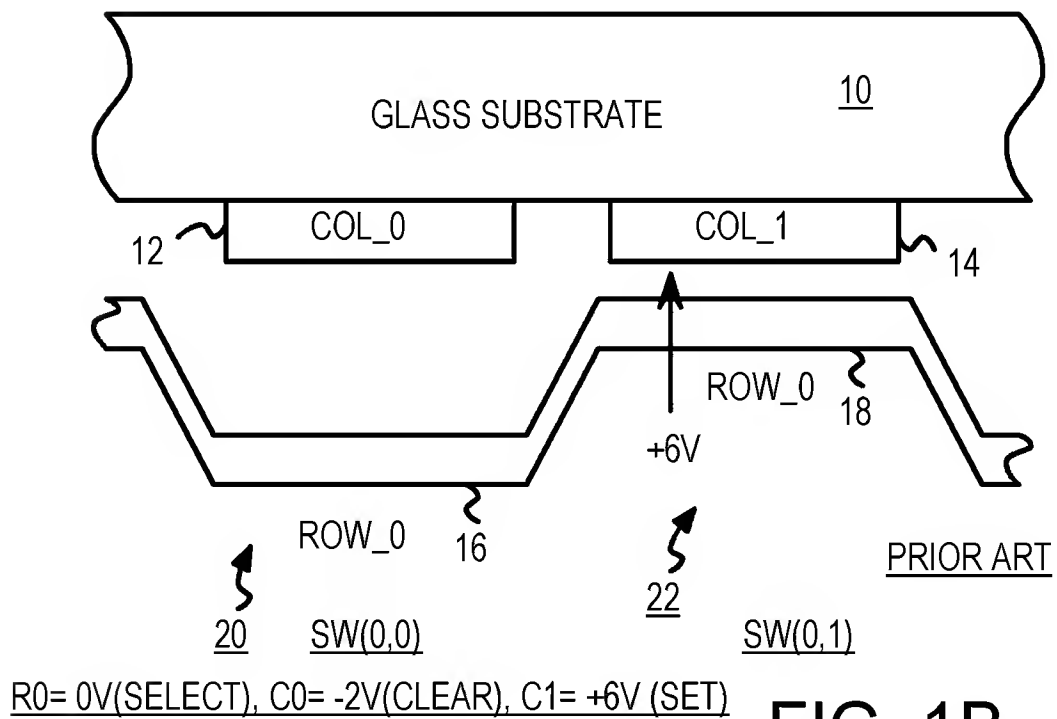
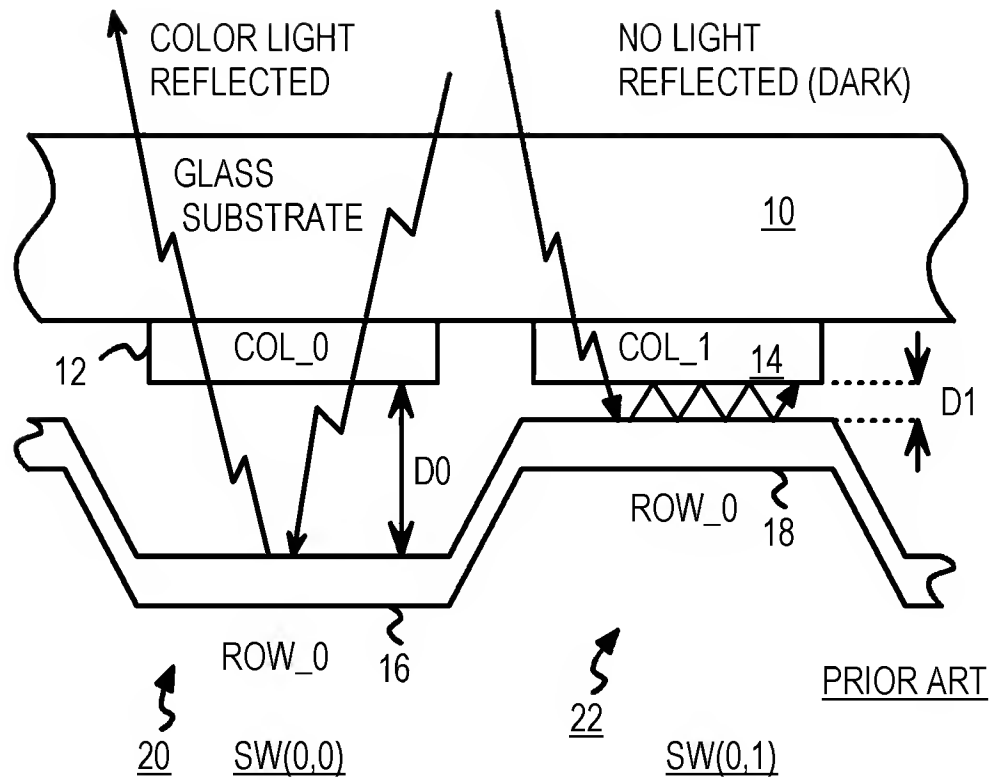
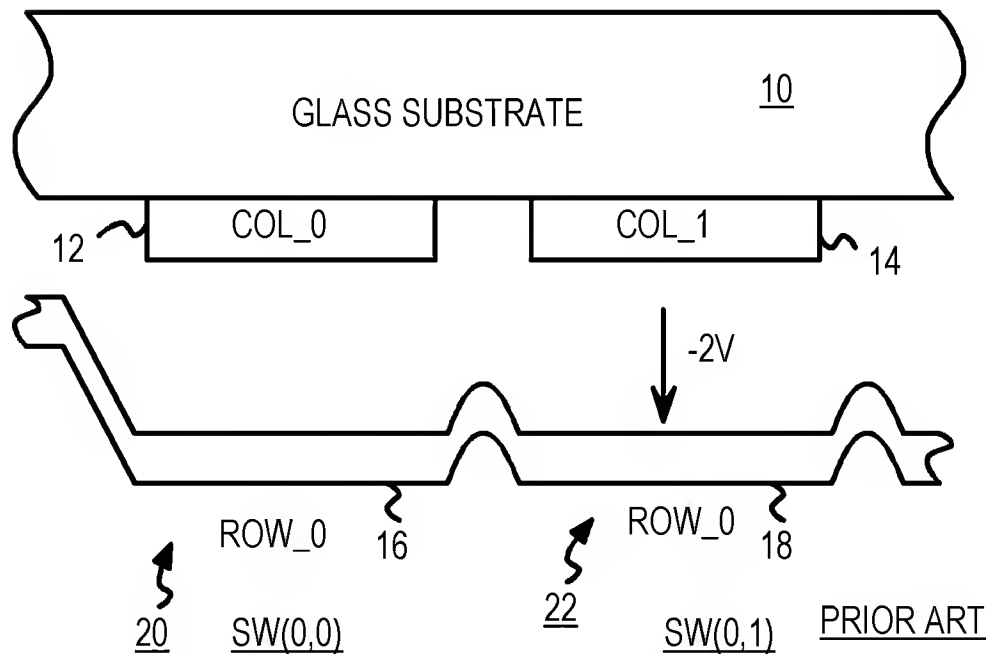


FIG. 1B



$R0 = +2V(\text{DESELECT}), C0 = -2V(\text{HOLD}), C1 = +6V(\text{HOLD})$ **FIG. 1C**



$R0 = 0V(\text{SELECT}), C0 = -2V(\text{CLEAR}), C1 = -2V(\text{CLEAR})$

FIG. 1D

COL VOLTAGE (VC)	ROW VOLTAGE (VR)	VOLTAGE DIFFERENCE (VC-VR)	MEMS CELL ACTION
+6	0	+6	SET ON (TOGETHER, DARK)
-2	0	-2	CLEAR OFF (SEPARATED, LIT)
+6	+2	+4	HOLD LAST STATE
-2	+2	-4	HOLD LAST STATE

FIG. 2

PRIOR ART

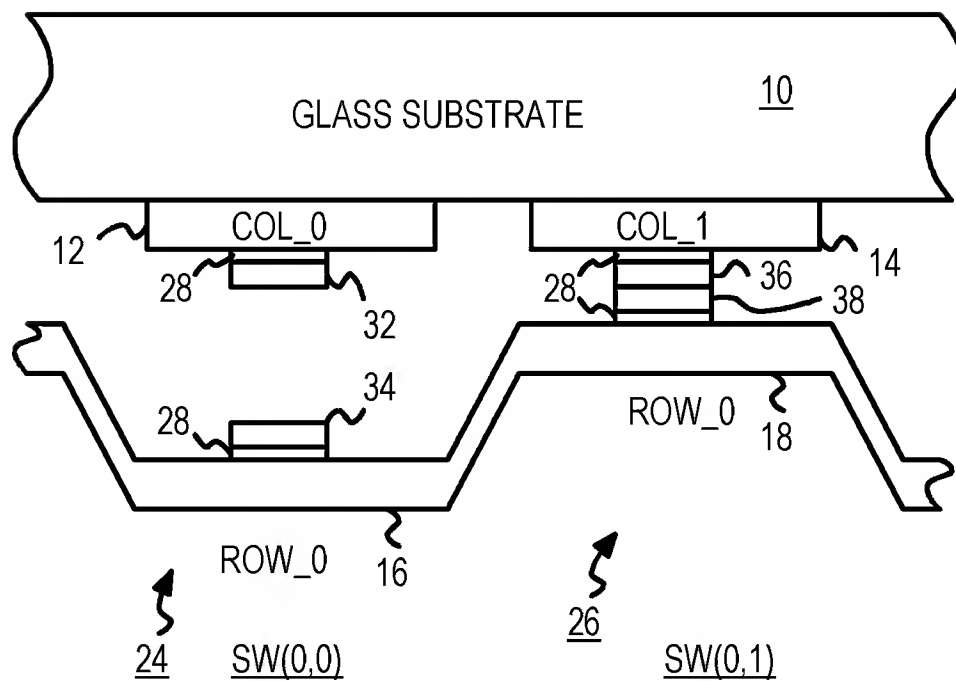


FIG. 3A

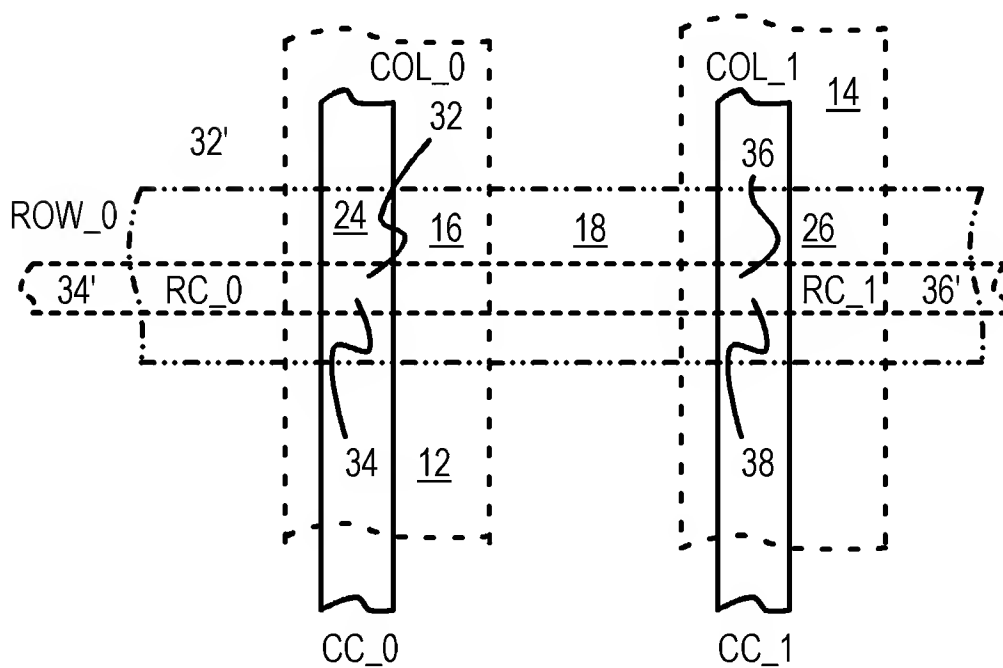


FIG. 3B

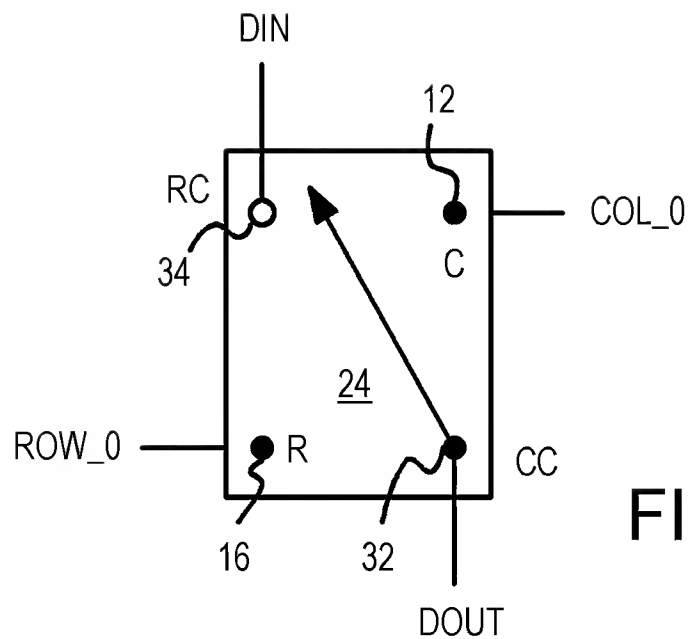


FIG. 3C

COL VOLTAGE (VC)	ROW VOLTAGE (VR)	VOLTAGE DIFFERENCE (VC-VR)	MEMS SWITCH ACTION	DOUT=DIN?
+6	0	+6	SET ON (TOGETHER)	DOUT=DIN
-2	0	-2	CLEAR OFF (SEPARATED)	ISOLATED
+6	+2	+4	HOLD LAST STATE	DOUT=DIN OR
-2	+2	-4	HOLD LAST STATE	ISOLATED

FIG. 3D

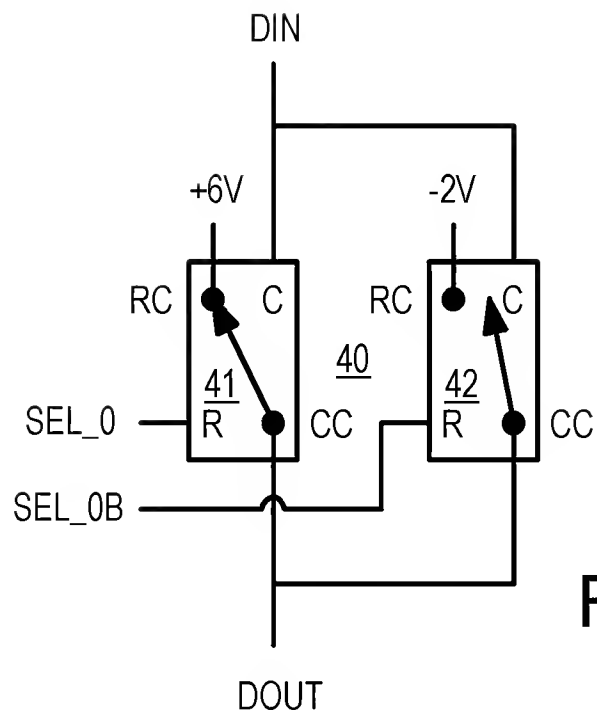


FIG. 4A

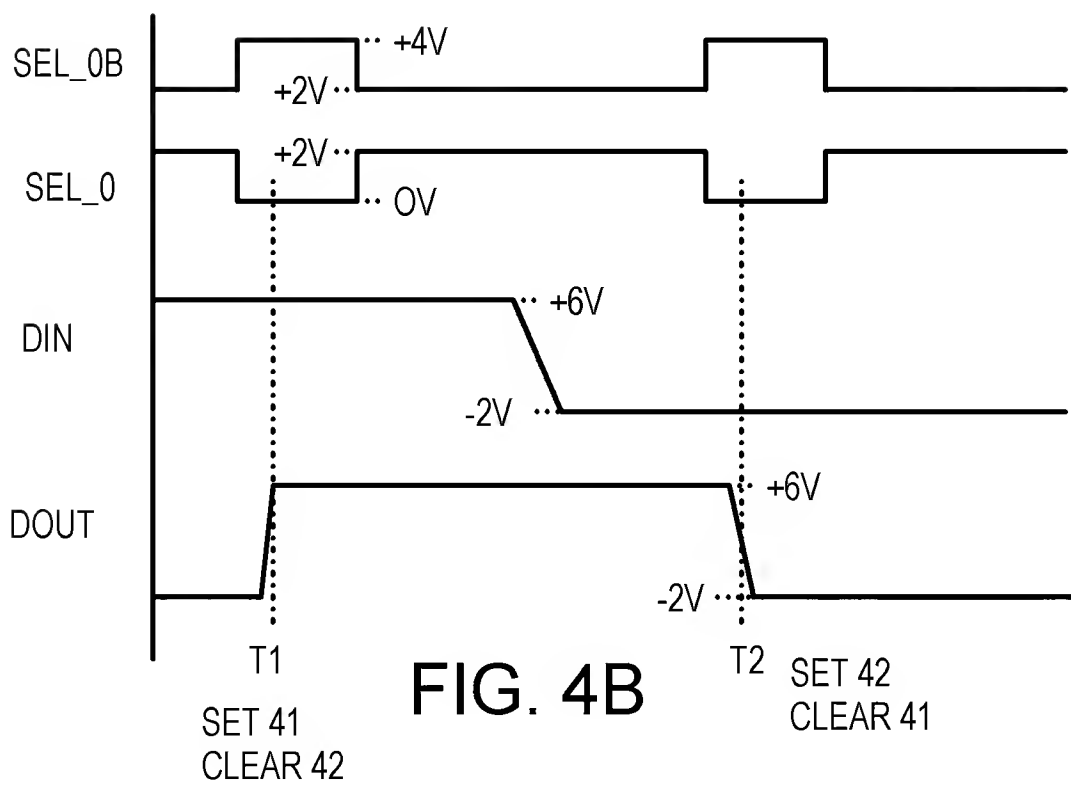


FIG. 4B

SET 41
CLEAR 42

SET 42
CLEAR 41

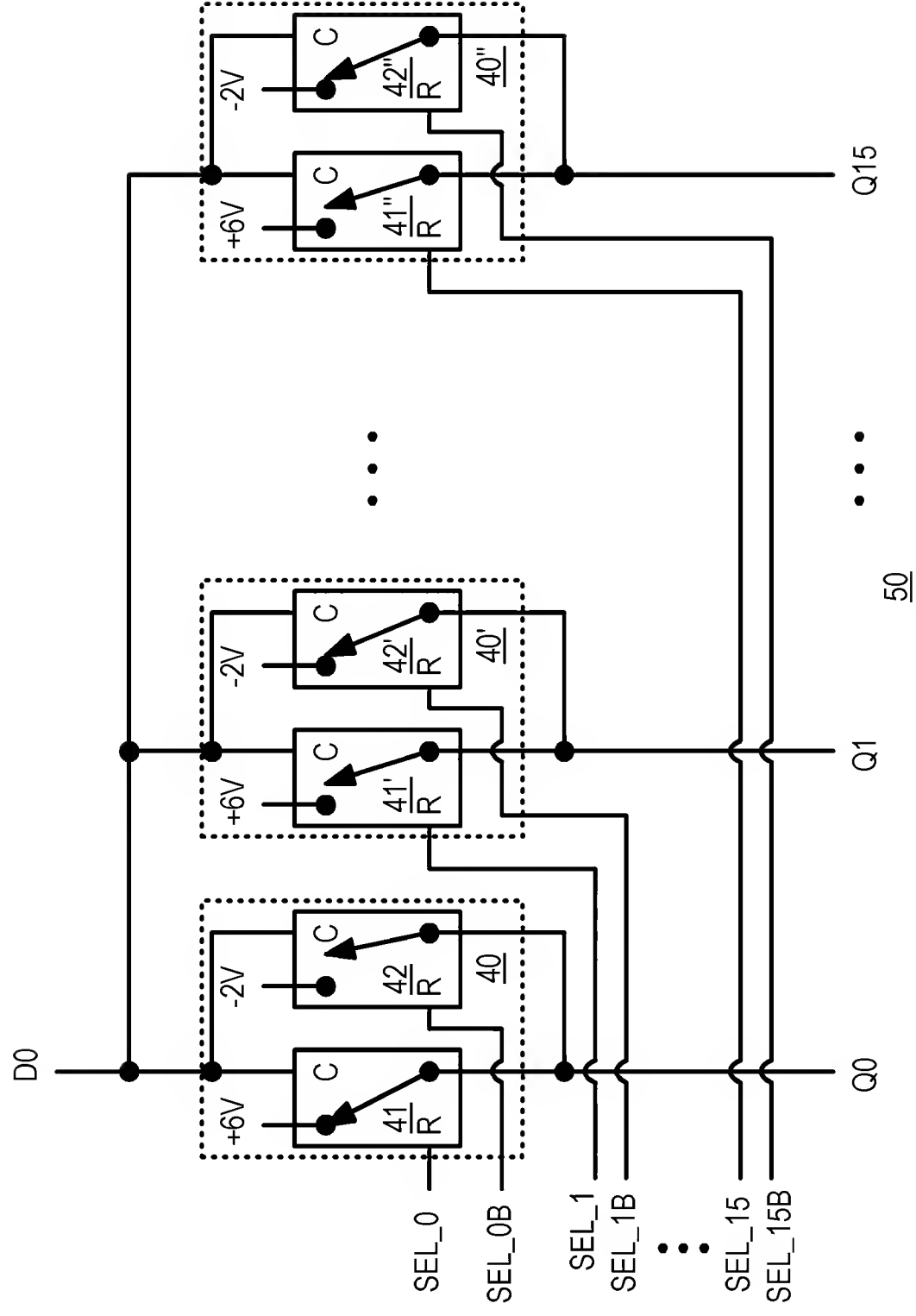
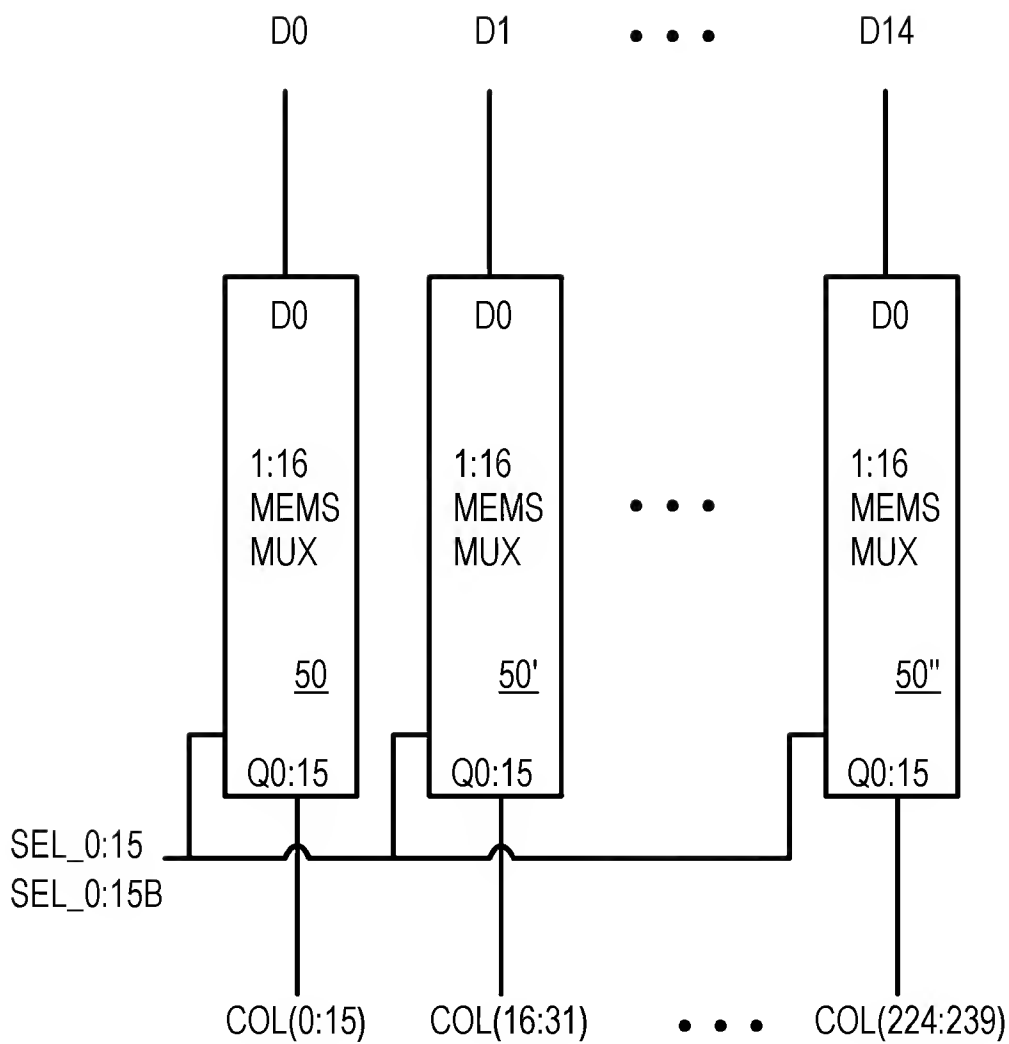


FIG. 5



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FIG. 6

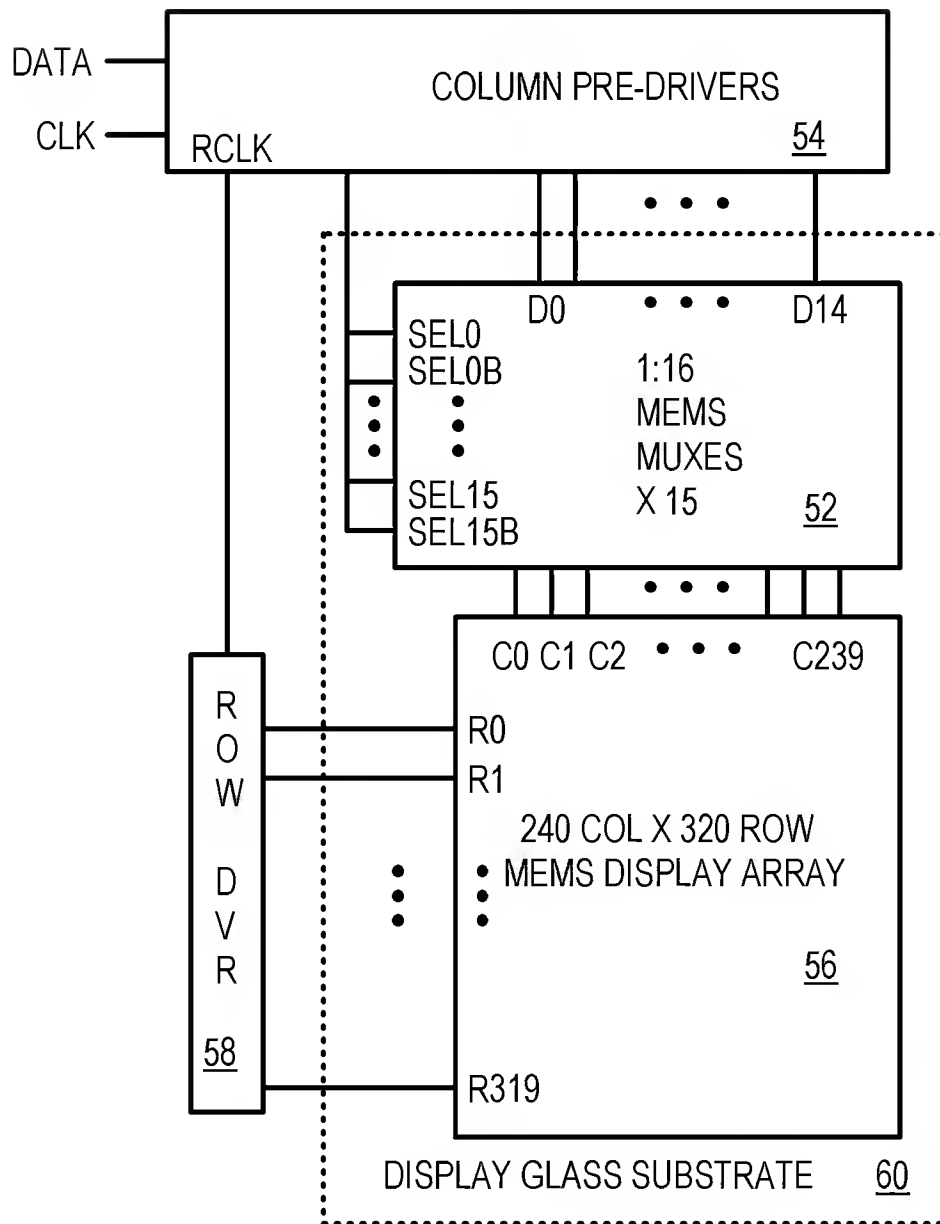


FIG. 7

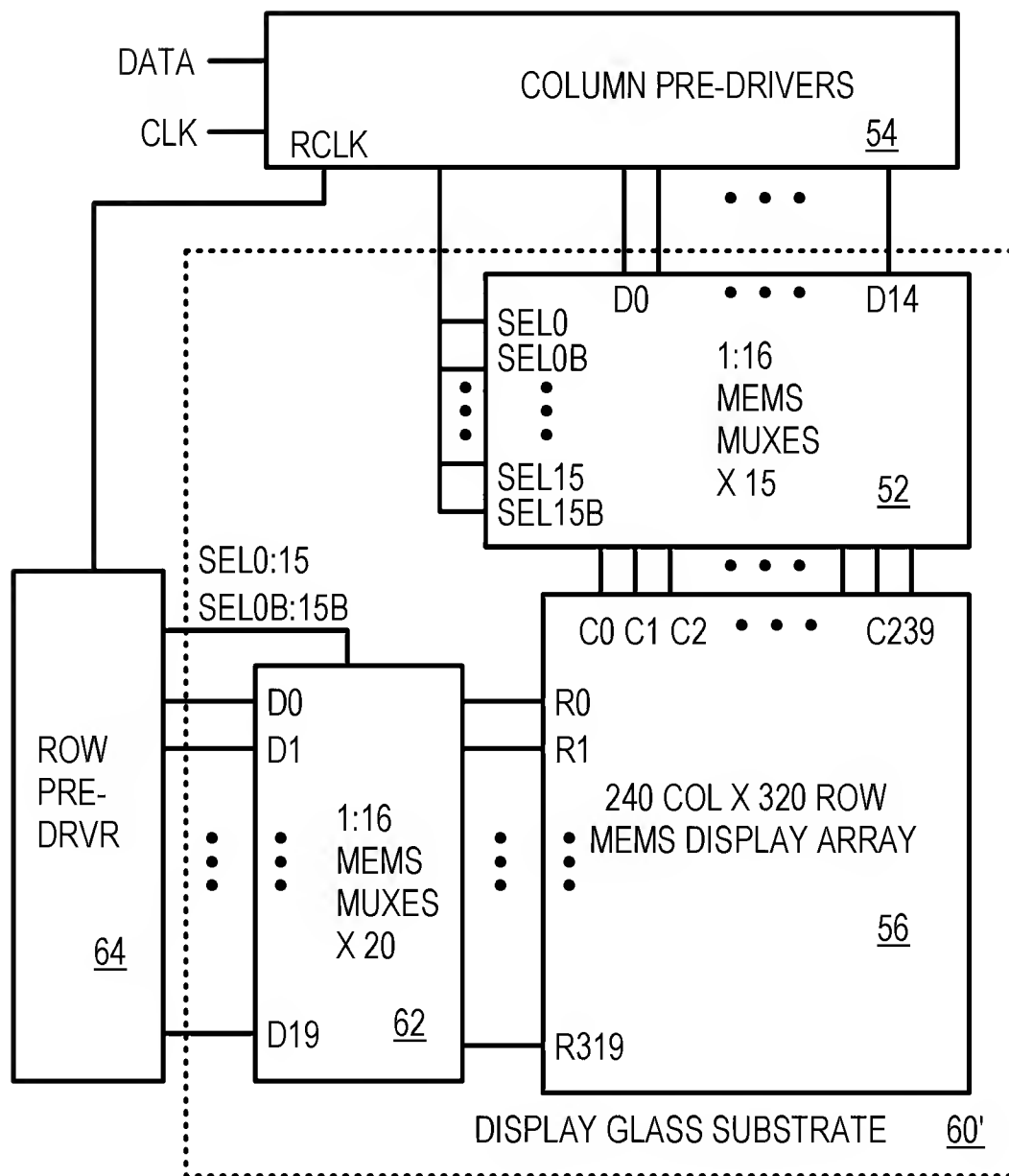


FIG. 8

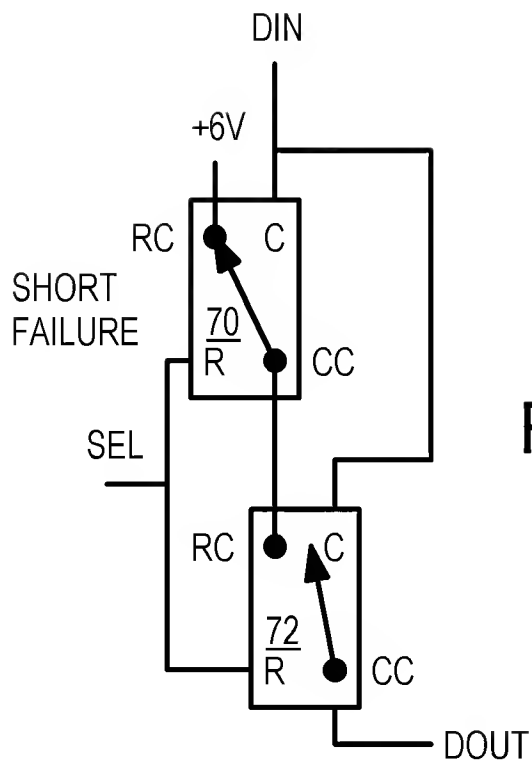


FIG. 9A

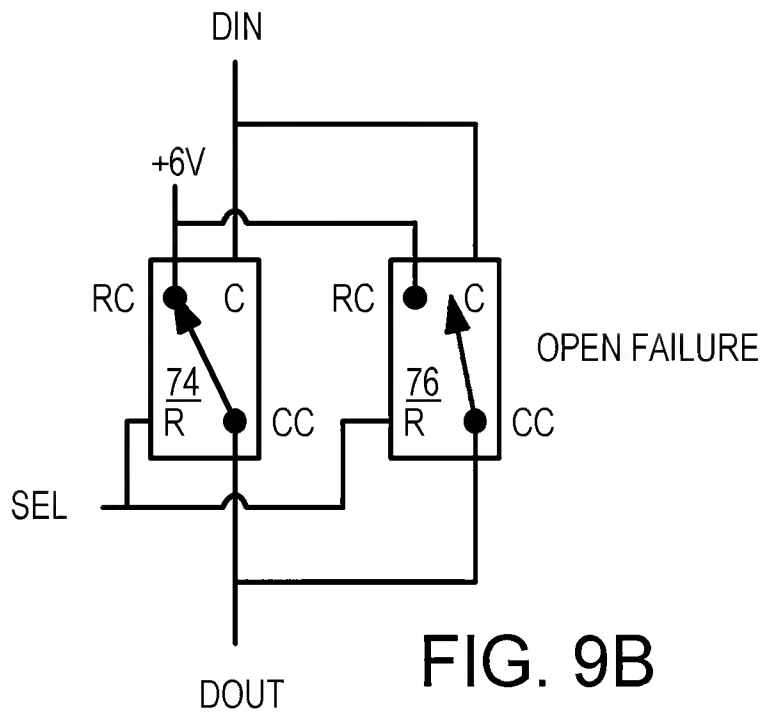


FIG. 9B

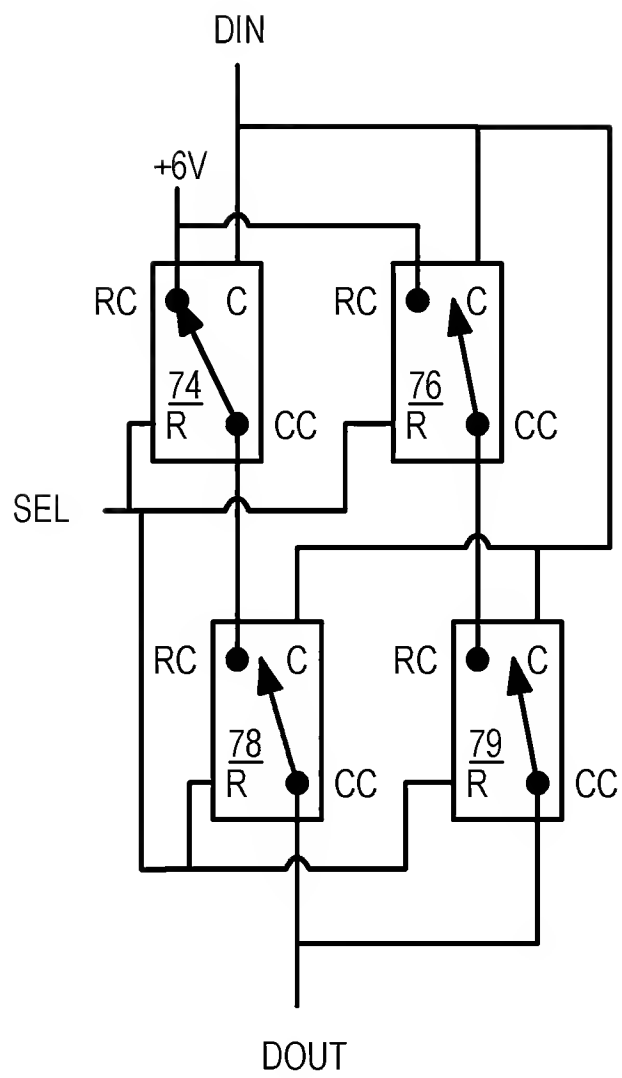


FIG. 9C

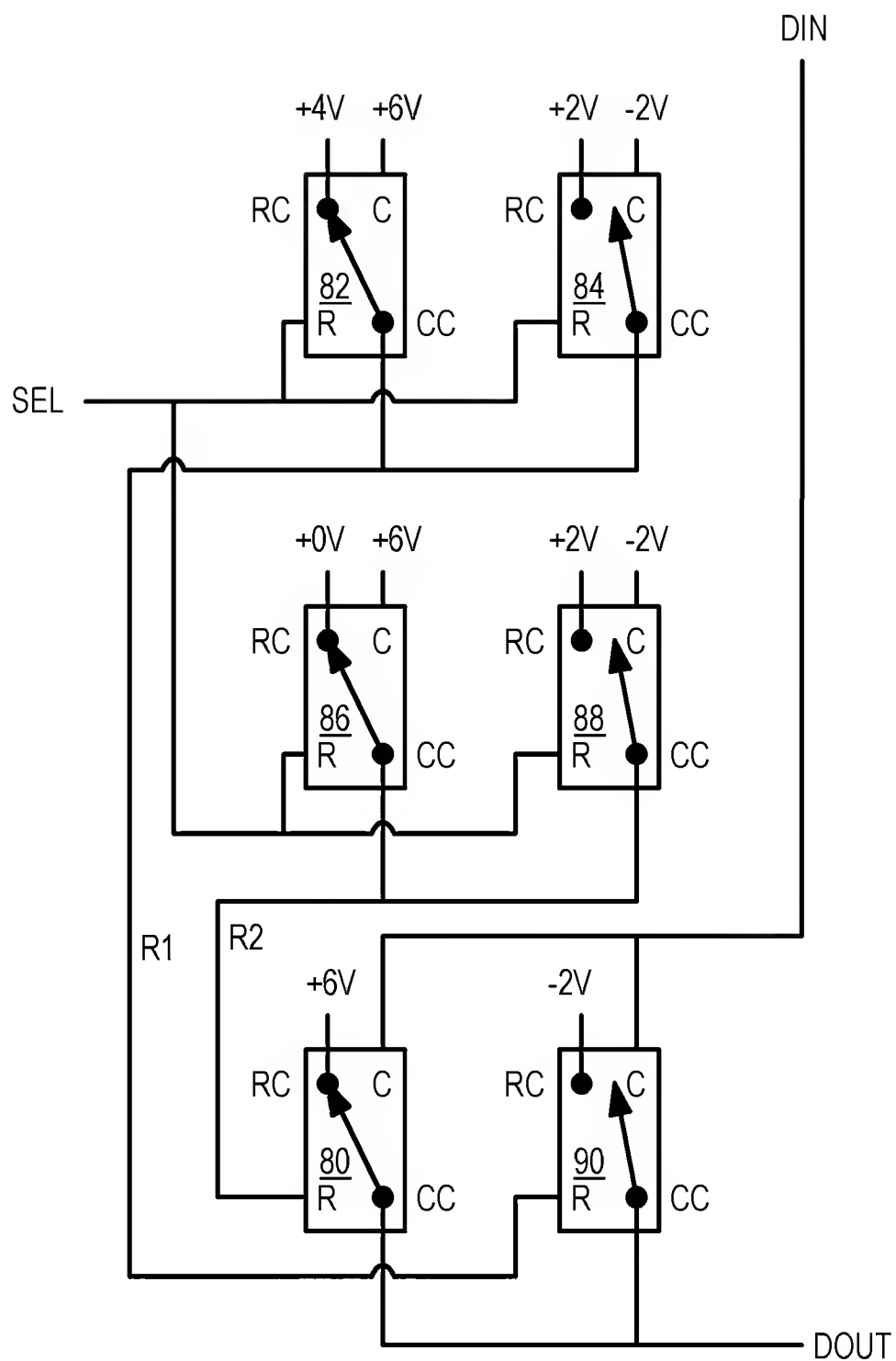


FIG. 10

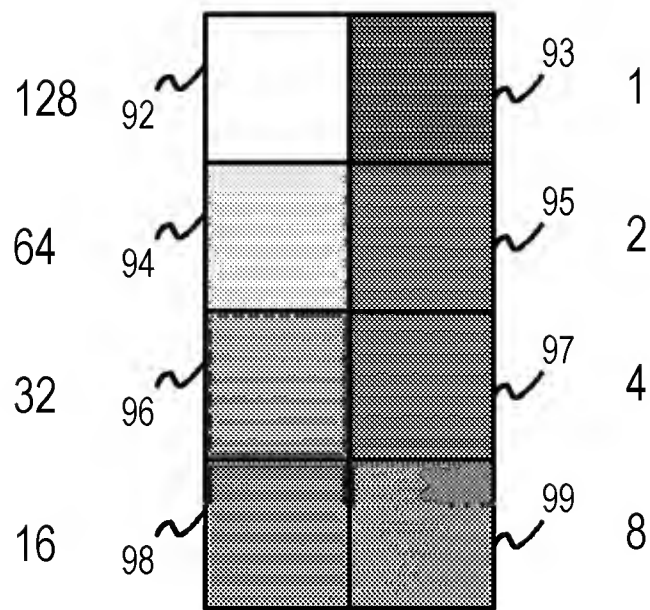


FIG. 11